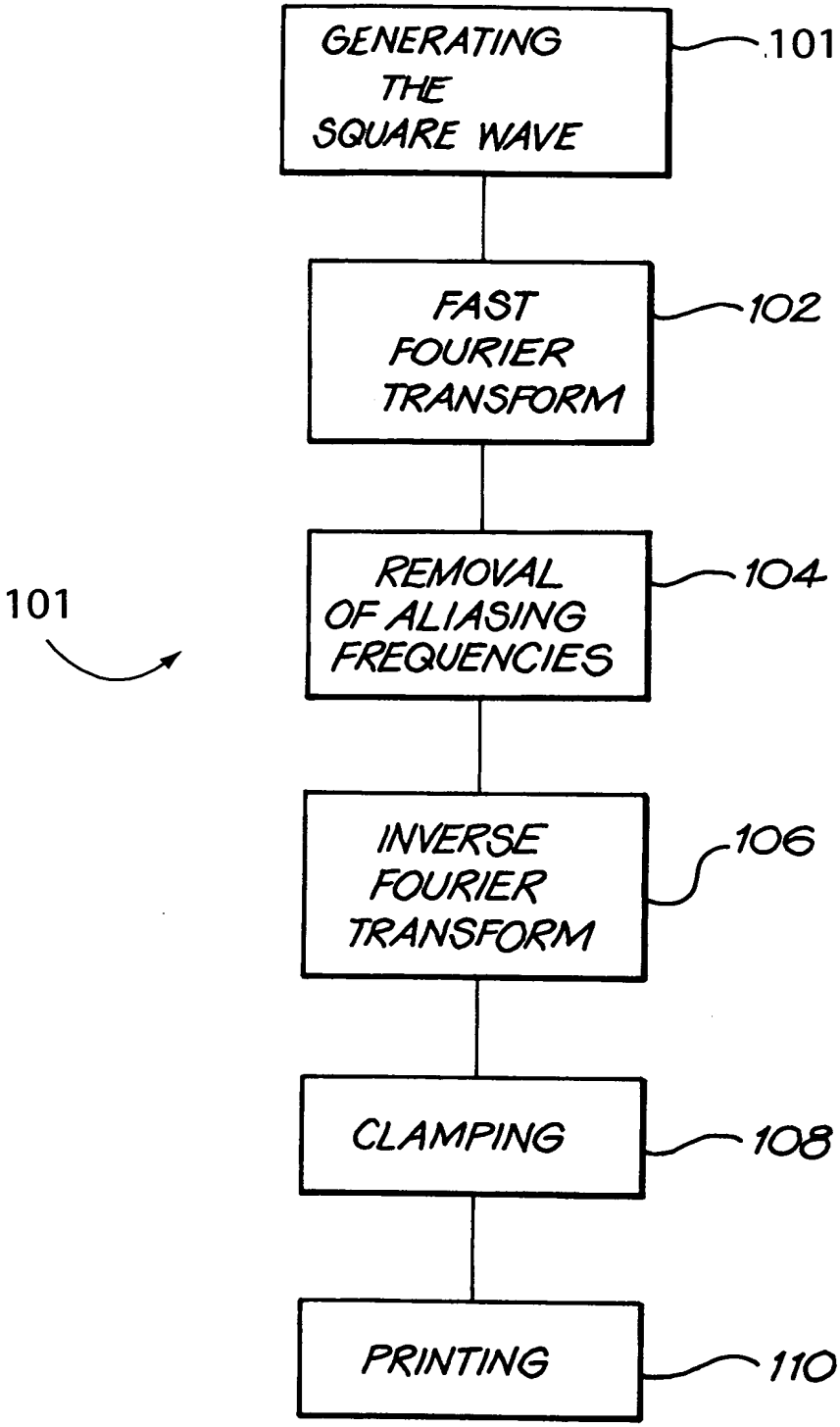
GENERATING THE SQUARE WAVE
101
FAST FOURIER TRANSFORM
102
REMOVAL OF ALIASING FREQUENCIES
104
101
INVERSE FOURIER TRANSFORM
106
CLAMPING
108
PRINTING
110

FIG. 1

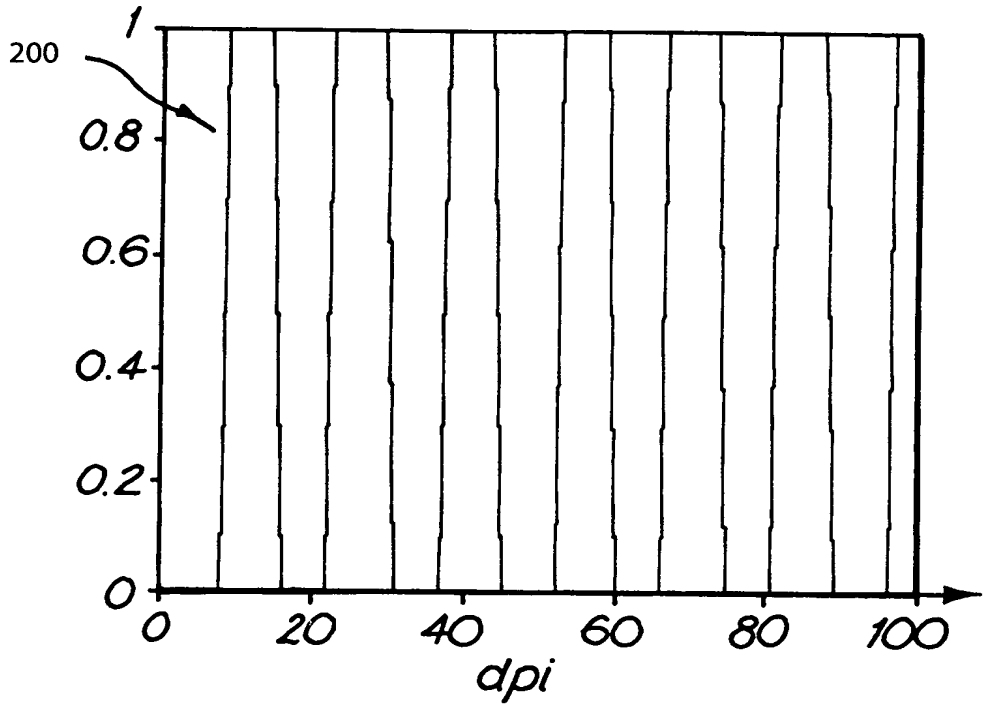
200
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100
dpi

FIG. 2A

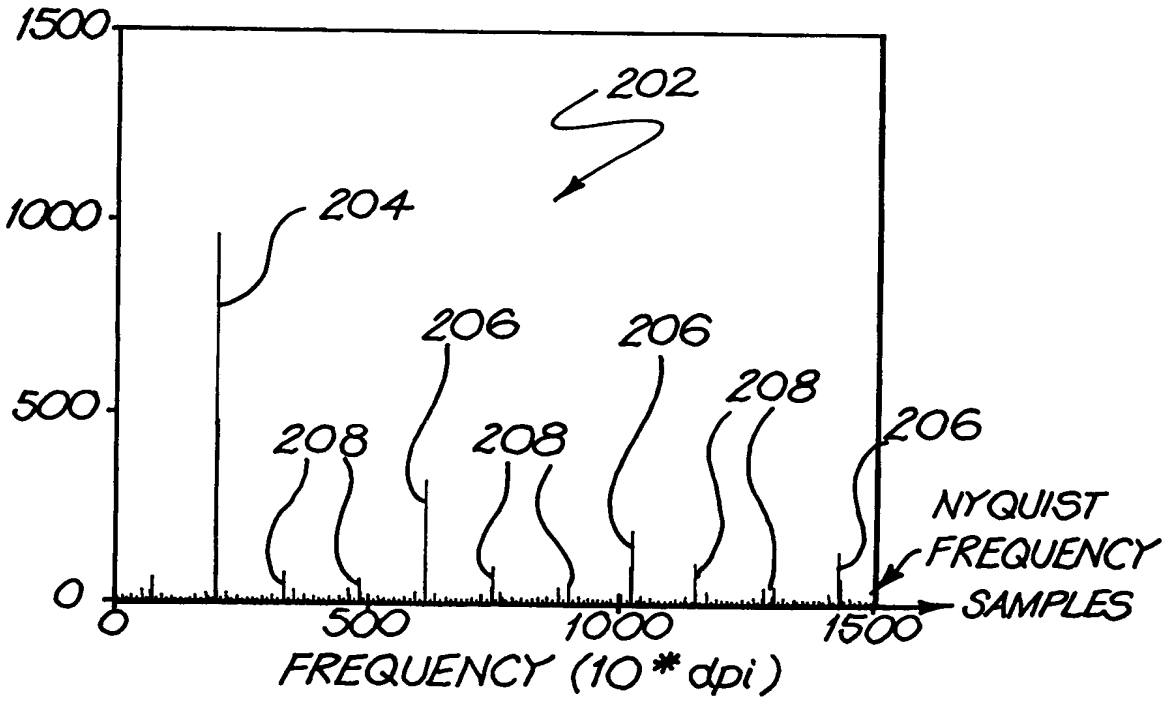
1500
1000
500
0
202
204
206
206
208
208
208
206
NYQUIST
FREQUENCY
SAMPLES
0
500
1000
1500
FREQUENCY (10 * dpi)

FIG. 2B

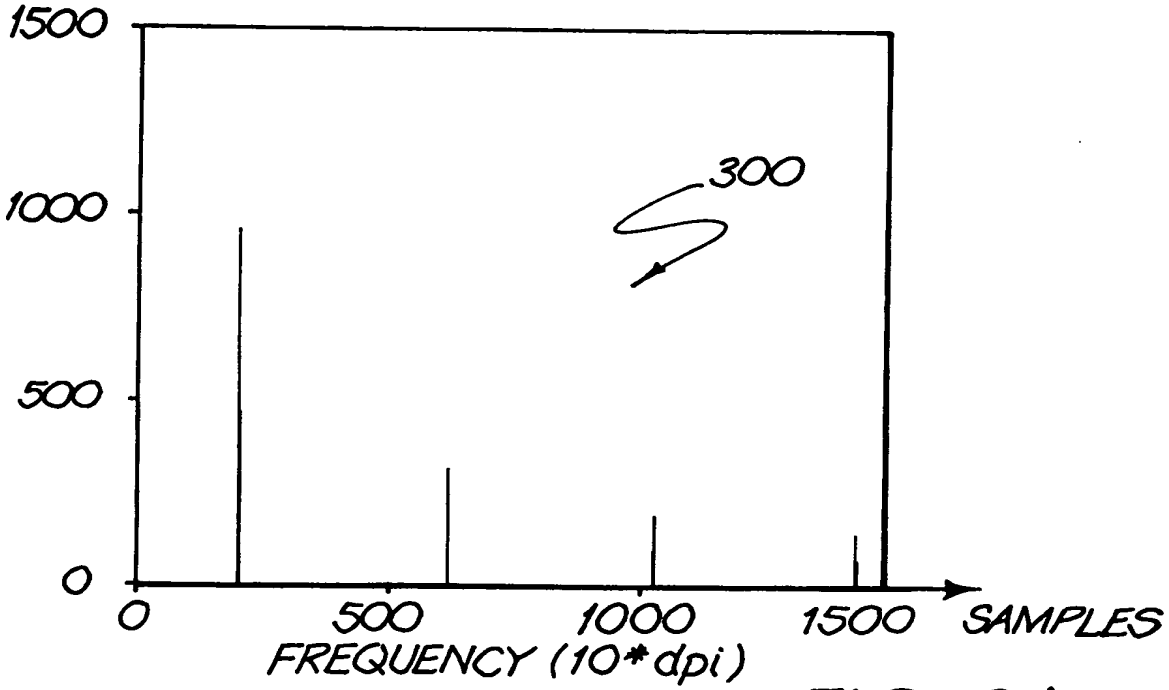
1500
1000
500
0
300
0
500
1000
1500
SAMPLES
FREQUENCY (10*dpi)

FIG. 3A

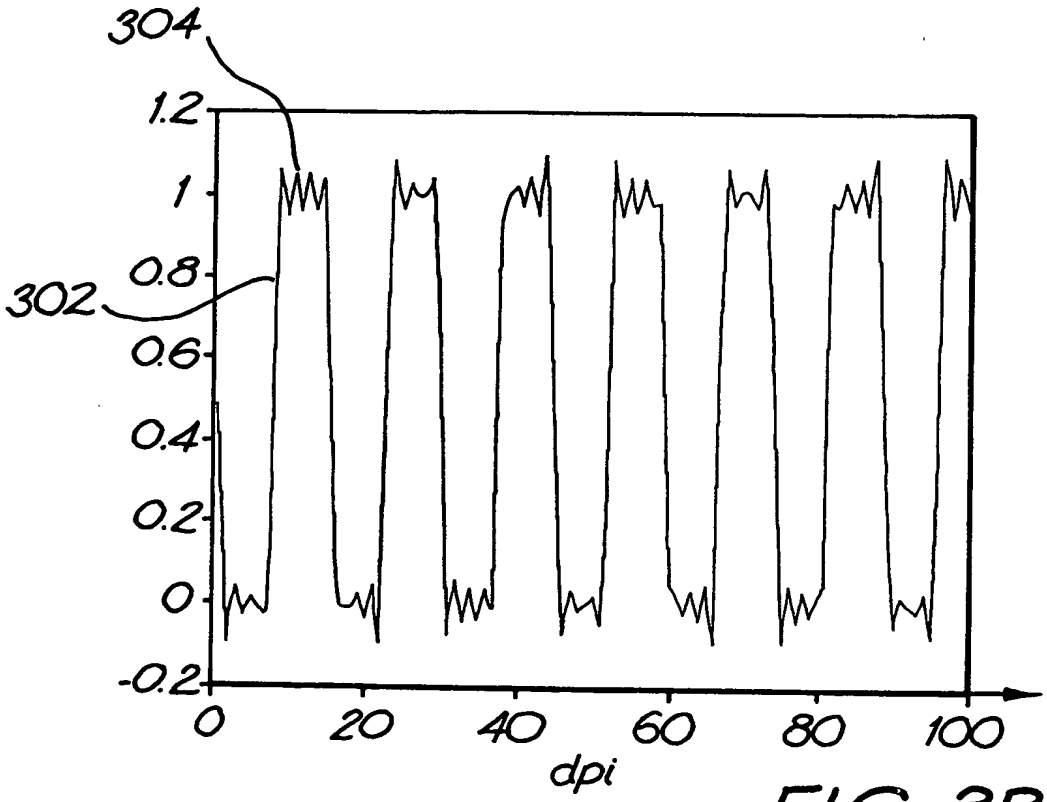
304
1.2
1
0.8
302
0.6
0.4
0.2
0
-0.2
0
20
40
60
80
100
dpi

FIG. 3B

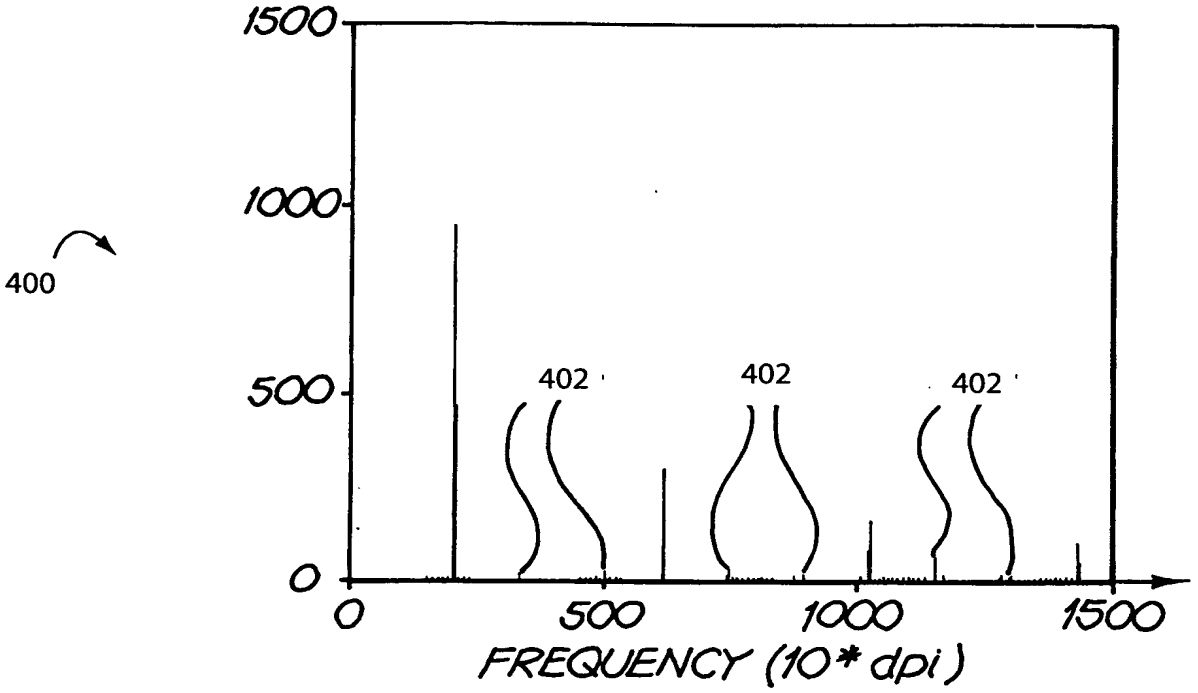
400
1500
1000
500
0
402
402
402
0
500
1000
1500
FREQUENCY (10* dpi)

FIG. 4A

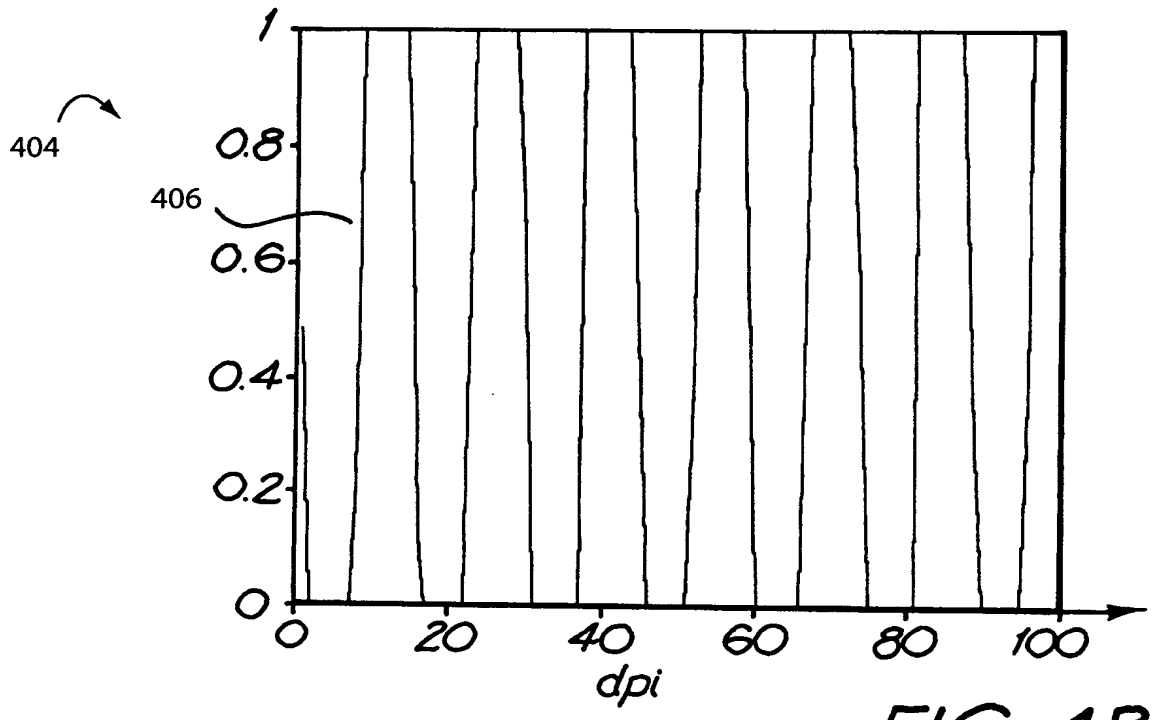
404
406
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100
dpi

FIG. 4B

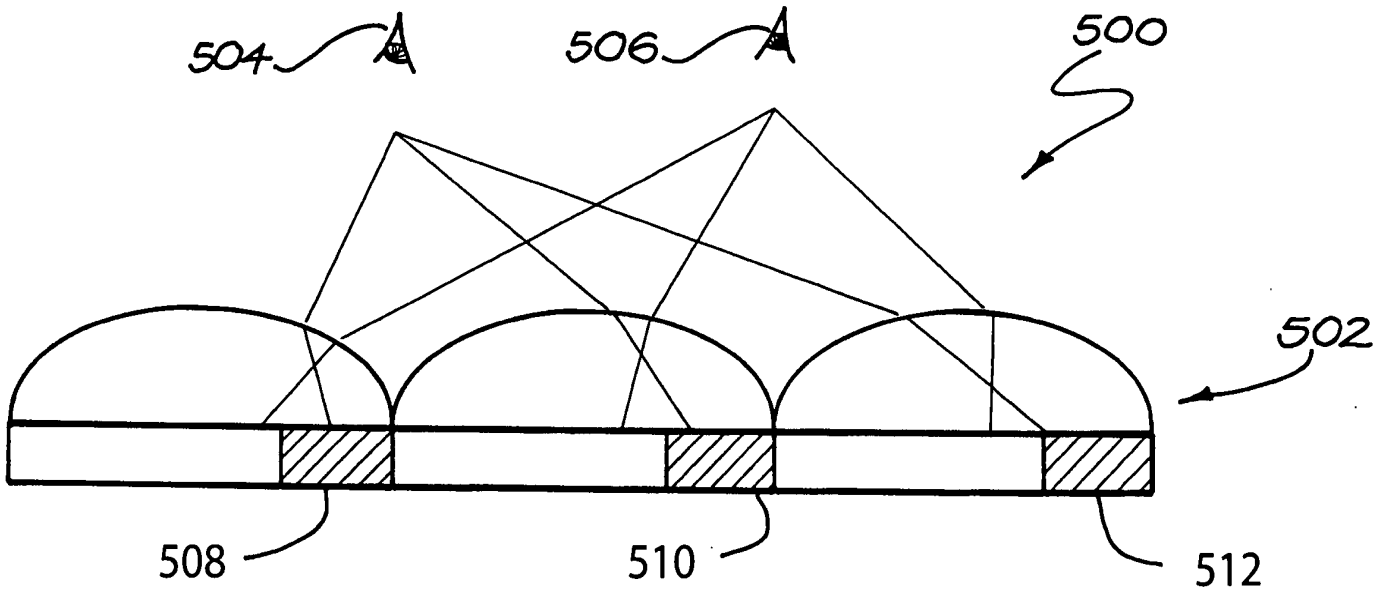

FIG. 5